

## ABSTRACT

The invention concerns an apparatus for image data computation and for synchronous data output. The invention further concerns an arrangement for producing and reproducing two partial light images which together can be perceived as a light image having a three-dimensional effect. Finally the invention concerns a method of synchronous reproduction of time image sequences by at least two image reproduction devices. The apparatus according to the invention has a master-client structure. A graphics master unit (88) and at least two graphics clients (94) are connected together by way of a first message channel (82) and by way thereof exchange first messages, by means of which computation and projection of the partial images is synchronized.